
		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300	
4. AWARD NO.: N00014-13-1-0550		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:	
		5. MODIFICATION NO.: N/A			
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 13PR07248-00	
				10. PROPOSAL DATE: 18-DEC-12	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. ED/EFT NUMBER: 7108AB	
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13			
13e. TELEPHONE NUMBER: (413) 5450698		13f. EMAIL ADDRESS: sprague@resgs.umass.edu			
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies					
16. FUNDING PREVIOUSLY OBLIGATED: \$.00 OBLIGATED BY THIS ACTION: \$111,190.00 TOTAL OBLIGATED ON AWARD: \$111,190.00 FUTURE FUNDING: \$501,173.00 GRANT TOTAL: \$612,363.00		ACTIVITY/AGENCY SHARE \$.00 \$111,190.00 \$111,190.00 \$501,173.00 \$612,363.00		RECIPIENT SHARE \$.00 \$.00 \$.00 \$.00 \$.00	
TOTAL \$.00 \$111,190.00 \$111,190.00 \$501,173.00 \$612,363.00		TOTAL \$.00 \$111,190.00 \$111,190.00 \$501,173.00 \$612,363.00		17. CURRENT FUNDING PERIOD N/A THROUGH N/A	
				18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16	
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey 21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		21b. CODE: ONR 342	
				21d. TELEPHONE NUMBER: (703) 696-4504	
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605	
22. AWARDOFFICE CONTACT 22a. NAME: Elizabeth Ford 22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		22b. CODE: ONR BD025			
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: FORDE@ONR.NAVY.MIL		23b. CODE: N62879	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB-NAVY ACQ HQ0251 COLUMBUS, OH 43213			
				26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO.	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx UAAC Acceptance C November 2003 Agency Specific February 2011 UAWA Award A November 2003 Core June 2011					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARDOFFICER Elizabeth Ford	
				33c. DATE SIGNED 20-JUN-13	

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES


1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER 13PR07248-00					NAVY INTERNAL USE ONLY REF DOC/ACRN
5. CLIN/SLIN	6. ACORN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)				
This page is intentionally blank									
						PAGE TOTAL	\$.00		
						GRAND TOTAL	\$.00		
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE			
DATE:						BY _____ DATE: _____ for COMPTROLLER, ONR CONTRACT REVIEWED			

<div>AWARD NO. N00014-13-1-0550</div>	<div>SPECIAL REQUIREMENTS</div>	<div>MODIFICATION NO.</div>	
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		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:	
4. AWARD NO.: N00014-13-1-0550		5. MODIFICATION NO.: P00006		6. MODIFICATION TYPE: Increment	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 16PR01074-01	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. ED/EFT NUMBER: 7108AB	
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		13e. TELEPHONE NUMBER: (413) 5450698		13f. EMAIL ADDRESS: sprague@resgs.umass.edu	
14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: PE IF: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies					
16. FUNDING PREVIOUSLY OBLIGATED: \$597,431.00 OBLIGATED BY THIS ACTION: \$14,932.00 TOTAL OBLIGATED ON AWARD: \$612,363.00 FUTURE FUNDING: \$0.00 GRANT TOTAL: \$612,363.00		ACTIVITY/AGENCY SHARE RECIPIENT SHARE TOTAL \$597,431.00 \$0.00 \$597,431.00 \$14,932.00 \$0.00 \$14,932.00 \$612,363.00 \$0.00 \$0.00 \$0.00 \$612,363.00 \$0.00 \$612,363.00		17. CURRENT FUNDING PERIOD N/A THROUGH N/A 18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16	
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey 21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		21b. CODE: ONR 342	
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21d. TELEPHONE NUMBER: (703) 696-4504	
21e. EMAIL ADDRESS: LINDA.CHRISEY@NAVY.MIL		22. AWARDING OFFICE CONTACT 22a. NAME: Elizabeth Ford		22b. CODE: ONR BD025	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605		23b. CODE: N62879	
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		24. SUBMIT PAYMENT REQUEST TO: Same as block #23a	
25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266		25b. CODE: HQ0337		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	
26b. CODE: N00014					


AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00006	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC Acceptance C UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Elizabeth Ford	
				33c. DATE SIGNED 23-FEB-16	

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. P00006	
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		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				3b. CFDA: 12.300	
4. AWARD NO.: N00014-13-1-0550		1. INSTRUMENT TYPE: Grant		3c. DUNS NUMBER:	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		2. AUTHORITY: 10 USC 2358, 31 USC 6304		5. MODIFICATION NO.: P00005	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		5. MODIFICATION TYPE: Increment		7. PR NO.: 16PR01074-00	
13b. CAGE: 1KVP4		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: 18-DEC-12	
13c. EDI/EFT NUMBER: 7108AB		11. ACTIVITY TYPE:		12. PROGRAM TYPE: onr	
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13			
13e. TELEPHONE NUMBER: (413) 5450698		13f. EMAIL ADDRESS: sprague@resgs.umass.edu			
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: PE IF: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:		\$522,431.00		\$522,431.00	
OBLIGATED BY THIS ACTION:		\$75,000.00		\$75,000.00	
TOTAL OBLIGATED ON AWARD:		\$597,431.00		\$597,431.00	
FUTURE FUNDING:		\$14,932.00		\$14,932.00	
GRANT TOTAL:		\$612,363.00		\$612,363.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey		21b. CODE: ONR 342	
		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995			
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21d. TELEPHONE NUMBER: (703) 696-4504	
				21e. EMAIL ADDRESS: LINDA.CHRISSEY@NAVY.MIL	
22. AWARDING OFFICE CONTACT 22a. NAME: Elizabeth Ford		22b. CODE: ONR BD025		23a. ADMINISTRATIVE OFFICE:	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995				23b. CODE: N62879	
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		23c. ADDRESS: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266		25b. CODE: HQ0337	
				26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	
				26b. CODE: N00014	

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00005	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC Acceptance C UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Ellen Simonoff	
				33c. DATE SIGNED 19-NOV-15	

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. P00005	


		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995				
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300				
4. AWARD NO.: N00014-13-1-0550		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:				
		5. MODIFICATION NO.: P00004		6. MODIFICATION TYPE: Increment		7. PR NO.: 15PR02052-01		
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: 18-DEC-12	11. ACTIVITY TYPE: onr			
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. ED/EFT NUMBER: 7108AB				
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13						
						13e. TELEPHONE NUMBER: (413) 5450698	13f. EMAIL ADDRESS: sprague@resgs.umass.edu	
						15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: PE IF: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies		
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE				
PREVIOUSLY OBLIGATED:		\$346,716.18		\$0.00				
OBLIGATED BY THIS ACTION:		\$175,714.82		\$0.00				
TOTAL OBLIGATED ON AWARD:		\$522,431.00		\$0.00				
FUTURE FUNDING:		\$89,932.00		\$0.00				
GRANT TOTAL:		\$612,363.00		\$0.00				
17. CURRENT FUNDING PERIOD N/A THROUGH N/A		18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16						
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)								
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey		21b. CODE: ONR 342				
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995				
				21d. TELEPHONE NUMBER: (703) 696-4504		21e. EMAIL ADDRESS: LINDA.CHRISY@NAVY.MIL		
22. AWARDDING OFFICE CONTACT 22a. NAME: Elizabeth Ford		22b. CODE: ONR BD255		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605				
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		23b. CODE: N62879		24. SUBMIT PAYMENT REQUEST TO: Same as block #23a				
22d. TELEPHONE NUMBER: (703) 696-2576						22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		
25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266		25b. CODE: HQ0337		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995				
		26b. CODE: N00014						

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00004	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC Acceptance C UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Ellen Simonoff	
				33c. DATE SIGNED 11-FEB-15	

FINANCIAL ACCOUNTING DATA SHEET - NAVY

[illegible]

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. P00004	

		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995																															
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300																															
4. AWARD NO.: N00014-13-1-0550		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:																															
		5. MODIFICATION NO.: P00003		6. MODIFICATION TYPE: Increment																															
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 15PR02052-00																															
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13		11. ACTIVITY TYPE: onr																															
				12. PROGRAM TYPE: onr																															
				13b. CAGE: 1KVP4																															
				13c. ED/EFT NUMBER: 7108AB																															
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies																																	
13e. TELEPHONE NUMBER: (413) 5450698																																			
13f. EMAIL ADDRESS: sprague@resgs.umass.edu																																			
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 10pt;"> <thead> <tr> <th style="width: 20%;">16. FUNDING</th> <th style="width: 20%;">ACTIVITY/AGENCY SHARE</th> <th style="width: 20%;">RECIPIENT SHARE</th> <th style="width: 20%;">TOTAL</th> <th style="width: 20%;">17. CURRENT FUNDING PERIOD</th> </tr> </thead> <tbody> <tr> <td>PREVIOUSLY OBLIGATED:</td> <td>\$313,953.00</td> <td>\$.00</td> <td>\$313,953.00</td> <td>N/A THROUGH N/A</td> </tr> <tr> <td>OBLIGATED BY THIS ACTION:</td> <td>\$32,763.18</td> <td>\$.00</td> <td>\$32,763.18</td> <td></td> </tr> <tr> <td>TOTAL OBLIGATED ON AWARD:</td> <td>\$346,716.18</td> <td>\$.00</td> <td>\$346,716.18</td> <td>18. PERIOD OF PERFORMANCE</td> </tr> <tr> <td>FUTURE FUNDING:</td> <td>\$265,646.82</td> <td>\$.00</td> <td>\$265,646.82</td> <td>01-MAY-13 THROUGH 30-APR-16</td> </tr> <tr> <td>GRANT TOTAL:</td> <td>\$612,363.00</td> <td>\$.00</td> <td>\$612,363.00</td> <td></td> </tr> </tbody> </table>						16. FUNDING	ACTIVITY/AGENCY SHARE	RECIPIENT SHARE	TOTAL	17. CURRENT FUNDING PERIOD	PREVIOUSLY OBLIGATED:	\$313,953.00	\$.00	\$313,953.00	N/A THROUGH N/A	OBLIGATED BY THIS ACTION:	\$32,763.18	\$.00	\$32,763.18		TOTAL OBLIGATED ON AWARD:	\$346,716.18	\$.00	\$346,716.18	18. PERIOD OF PERFORMANCE	FUTURE FUNDING:	\$265,646.82	\$.00	\$265,646.82	01-MAY-13 THROUGH 30-APR-16	GRANT TOTAL:	\$612,363.00	\$.00	\$612,363.00	
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19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)																																			
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey 21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		21b. CODE: ONR 342																															
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21d. TELEPHONE NUMBER: (703) 696-4504																															
21e. EMAIL ADDRESS: LINDA.CHRISBY@NAVY.MIL		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605																																	
22. AWARDING OFFICE CONTACT 22a. NAME: Elizabeth Ford						22b. CODE: ONR BD255																													
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995																																			
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL																																	
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266		25b. CODE: HQ0337																															
				26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995																															
				26b. CODE: N00014																															

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00003	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC Acceptance C UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Ellen Simonoff	
				33c. DATE SIGNED 28-OCT-14	

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL)		3. MOD (CRITICAL) P00003		4. PR NUMBER 15PR02052-00		5. PR NUMBER 15PR02052-00																	
6. LINE OF ACCOUNTING		7. SUBHEAD (CRITICAL)		8. OBJ (CRITICAL)		9. PARM (CRITICAL)		10. F. RFM (CRITICAL)		11. G. SA (CRITICAL)		12. H. AAA (CRITICAL)		13. I. IT (CRITICAL)		14. J. PAA (CRITICAL)		15. K. COST CODE		16. PDI & SUI (CRITICAL)		17. AMOUNT (CRITICAL)		18. NAVY INTERNAL USE ONLY REF DOC/ACRN	
A. ACORN (CRITICAL)		B. APPROPRIATION (CRITICAL)		C. SUBHEAD (CRITICAL)		D. OBJ (CRITICAL)		E. PARM (CRITICAL)		F. RFM (CRITICAL)		G. SA (CRITICAL)		H. AAA (CRITICAL)		I. IT (CRITICAL)		J. PAA (CRITICAL)		K. COST CODE		PDI & SUI (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
A. ACORN (CRITICAL)		B. APPROPRIATION (CRITICAL)		C. SUBHEAD (CRITICAL)		D. OBJ (CRITICAL)		E. PARM (CRITICAL)		F. RFM (CRITICAL)		G. SA (CRITICAL)		H. AAA (CRITICAL)		I. IT (CRITICAL)		J. PAA (CRITICAL)		K. COST CODE		PDI & SUI (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
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																	PAGE TOTAL	\$32,763.18							
																	GRAND TOTAL	\$32,763.18							

PREPARED/AUTHORIZED BY: _____
 DATE: _____


COMPTROLLER APPROVAL:
 FOR FISCAL DATA AND SIGNATURE
 BY _____
 DATE: _____

_____ for COMPTROLLER, ONR CONTRACT REVIEWED

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL) P00003	3. MOD (CRITICAL) P00003	4. PR NUMBER 15PR02052-00			
5. CLIN/SIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
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					PAGE TOTAL	\$.00	
					GRAND TOTAL	\$.00	
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE					
DATE:		BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE:					

<div>AWARD NO. N00014-13-1-0550</div>	<div>SPECIAL REQUIREMENTS</div>	<div>MODIFICATION NO. P00003</div>	
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		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 495 Summer Street Suite 627 Boston, MA 02210-2109					
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300					
4. AWARD NO.: N00014-13-1-0550		5. MODIFICATION NO.: A00001		6. MODIFICATION TYPE: Admin Mod					
						7. PR NO.: 14PR00717-02			
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		10. PROPOSAL DATE: 18-DEC-12					
						11. ACTIVITY TYPE: onr			
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. ED/EFT NUMBER: 7108AB					
						14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13			
								13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE	
13f. EMAIL ADDRESS: sprague@resgs.umass.edu									
		15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies							
		16. FUNDING				17. CURRENT FUNDING PERIOD			
PREVIOUSLY OBLIGATED: \$313,953.00 \$.00 \$313,953.00				N/A THROUGH N/A					
OBLIGATED BY THIS ACTION: \$.00 \$.00 \$.00				18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16					
TOTAL OBLIGATED ON AWARD: \$313,953.00 \$.00 \$313,953.00									
FUTURE FUNDING: \$298,410.00 \$.00 \$298,410.00									
GRANT TOTAL: \$612,363.00 \$.00 \$612,363.00									
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)									
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY			21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey 21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		21b. CODE: ONR 342				
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21d. TELEPHONE NUMBER: (703) 696-4504					
21e. EMAIL ADDRESS: LINDA.CHRISEY@NAVY.MIL		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605		23b. CODE: N62879					
22. AWARDING OFFICE CONTACT 22a. NAME: Elizabeth Ford						22b. CODE: ONR BD255			
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995						22d. TELEPHONE NUMBER: (703) 696-2576			
22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		25b. CODE: HQ0337		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995					
24. SUBMIT PAYMENT REQUEST TO: Same as block #23a						25a. PAYING OFFICE: DFAS COLUMB. NORTH ENTL-HQ0337 COLUMBUS, OH 43218-2266			
26b. CODE: N00014									

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL) A00001		3. MOD (CRITICAL) A00001		4. PR NUMBER 14PR00717-02		5. LINE OF ACCOUNTING		6. AMOUNT (CRITICAL)		7. NAVY INTERNAL USE ONLY REF DOC/ACRN	
A. ACRN (CRITICAL)		B. APPROPRIATION (CRITICAL)		C. SUBHEAD (CRITICAL)		D. OBJ CLA		E. PARM		F. RFM		G. SA	
H. AAA (CRITICAL)		I. IT		J. PAA		K. COST CODE		L. PROJ UNIT		M. MOC		N. PDI & SUF	
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										PAGE TOTAL		\$.00	
										GRAND TOTAL		\$.00	

PREPARED/AUTHORIZED BY: _____
 DATE: _____


COMPTROLLER APPROVAL:
 FOR FISCAL DATA AND SIGNATURE
 BY _____
 DATE: _____

for COMPTROLLER, ONR CONTRACT REVIEWED

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL)	3. MOD (CRITICAL) A00001	4. PR NUMBER 14PR00717-02		
5. CLIN/SIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
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PAGE TOTAL						\$. 00
GRAND TOTAL						\$. 00
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE BY _____ DATE: _____				
DATE:		for COMPTROLLER, ONR CONTRACT REVIEWED				

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. A00001	
<p>The purpose of this administrative modification is to: (A) change the payment office and (B) add instructions for numbering vouchers:</p> <p>A. The payment office is hereby changed:</p> <p>From: DFAS COLUMBUS NAVY ACQ 3990 E. BROAD STREET BLDG. 21 COLUMBUS, OH 43213 CODE HQ0251</p> <p>To: DFAS-COLUMBUS CENTER NORTH ENTITLEMENT OPERATIONS P.O. BOX 182266 COLUMBUS, OH 43218-2266 CODE HQ0337</p> <p>B. The following payment instructions are hereby added:</p> <p>NUMBERING OF VOUCHERS SUBMITTED TO MOCAS PAYMENT OFFICES</p> <p>Vouchers submitted to this payment office must be submitted using the following format:</p> <ul style="list-style-type: none"> - Voucher numbers must begin with BVN. - Voucher number must be 7 characters - The format must be BVNX###, where X = Alpha or Numeric character and # = Numeric character. 			

		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300	
4. AWARD NO.: N00014-13-1-0550		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:	
		5. MODIFICATION NO.: P00002		6. MODIFICATION TYPE: Increment	
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 14PR00717-01	
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. EDWFT NUMBER: 7108AB	
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		10. PROPOSAL DATE: 18-DEC-12		11. ACTIVITY TYPE: onr	
13e. TELEPHONE NUMBER: (413) 5450698					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:		\$156,143.84		\$.00	
OBLIGATED BY THIS ACTION:		\$157,809.16		\$.00	
TOTAL OBLIGATED ON AWARD:		\$313,953.00		\$.00	
FUTURE FUNDING:		\$298,410.00		\$.00	
GRANT TOTAL:		\$612,363.00		\$612,363.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16					
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey		21b. CODE: ONR 342	
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995	
				21d. TELEPHONE NUMBER: (703) 696-4504	
22. AWARDDING OFFICE CONTACT 22a. NAME: Elizabeth Ford		22b. CODE: ONR BD255		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605	
22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		23b. CODE: N62879			
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		24. SUBMIT PAYMENT REQUEST TO: Same as block #23a	
25a. PAYING OFFICE: DFAS CLEVELAND NAVY-HQ0251 CLEVELAND, OH 44199-8022		25b. CODE: HQ0251			
26b. CODE: N00014		26c. CODE:			

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00002	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UAAC UACC Acceptance C November UAWA UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
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ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARD OFFICER Ellen Simonoff	
				33c. DATE SIGNED 20-MAR-14	


FINANCIAL ACCOUNTING DATA SHEET - NAVY

[illegible]

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL)	3. MOD (CRITICAL) P00002	4. PR NUMBER 14PR00717-01		
5. CLINSLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION			8. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN
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		PAGE TOTAL			\$. 00	
		GRAND TOTAL			\$. 00	
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:		BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED DATE:				

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. P00002

		AWARD/ MODIFICATION		3a. ISSUED BY: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995			
		1. INSTRUMENT TYPE: Grant		3b. CFDA: 12.300			
4. AWARD NO.: N00014-13-1-0550		2. AUTHORITY: 10 USC 2358, 31 USC 6304		3c. DUNS NUMBER:			
		5. MODIFICATION NO.: P00001		6. MODIFICATION TYPE: Increment			
8. ACTIVITY/AGENCY PROPOSAL NO.: N/A		9. RECIPIENT PROPOSAL NO.: N/A		7. PR NO.: 14PR00717-00			
13. ISSUED TO 13a. ADDRESS: UNIVERSITY OF MASSACHUSETTS AMHERST OFFICE OF GRANT AND CONTRACT ADMINISTRATION 70 BUTTERFIELD TERRACE AMHERST, MA 01003-9333		13b. CAGE: 1KVP4		13c. EDI/EFT NUMBER: 7108AB			
						14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as block #13	
13d. BUSINESS OFFICE CONTACT: CAROL P. SPRAGUE		10. PROPOSAL DATE: 18-DEC-12		11. ACTIVITY TYPE: onr			
13e. TELEPHONE NUMBER: (413) 5450698						13f. EMAIL ADDRESS: sprague@reagg.umass.edu	
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Factors Limiting Power Output of Benthic Microbial Fuel Cells: Mechanistic and Ecological Studies							
16. FUNDING							
ACTIVITY/AGENCY SHARE		RECIPIENT SHARE		TOTAL			
PREVIOUSLY OBLIGATED:		\$111,190.00		\$111,190.00			
OBLIGATED BY THIS ACTION:		\$44,953.84		\$44,953.84			
TOTAL OBLIGATED ON AWARD:		\$156,143.84		\$156,143.84			
FUTURE FUNDING:		\$456,219.16		\$456,219.16			
GRANT TOTAL:		\$612,363.00		\$612,363.00			
17. CURRENT FUNDING PERIOD N/A THROUGH N/A							
18. PERIOD OF PERFORMANCE 01-MAY-13 THROUGH 30-APR-16							
19. ACCOUNTING AND APPROPRIATION DATA: See attached Financial Accounting Data Sheet (s)							
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: DEREK R LOVLEY		21. TECHNICAL REPRESENTATIVE 21a. NAME: Linda A. Chrisey 21c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		21b. CODE: ONR 342			
20b. TELEPHONE NUMBER: (413) 5459651		20c. EMAIL ADDRESS: dlovley@microbio.umass.edu		21d. TELEPHONE NUMBER: (703) 696-4504			
21e. EMAIL ADDRESS: LINDA.CHRISEY@NAVY.MIL		22. AWARDOFFICE CONTACT 22a. NAME: Elizabeth Ford 22c. ADDRESS: Office of Naval Research 875 North Randolph Street Arlington, VA 22203-1995		22b. CODE: ONR BD025			
22d. TELEPHONE NUMBER: (703) 696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL		23a. ADMINISTRATIVE OFFICE: ONR REG BOSTON N62879 495 SUMMER STREET ROOM 627 BOSTON, MA 02210-2109 PHONE: (617) 753-3283 FAX: (617) 753-4605			
23b. CODE: N62879		24. SUBMIT PAYMENT REQUEST TO: Same as block #23a		25a. PAYING OFFICE: DFAS COLUMB-NAVY ACQ HQ0251 COLUMBUS, OH 43213			
25b. CODE: HQ0251		26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995		26b. CODE: N00014			

AWARD NO. N00014-13-1-0550		AWARD/MODIFICATION		MODIFICATION NO. P00001	
27. SPECIAL INSTRUCTIONS: See "Special Requirements" Attachment					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found as described below.					
DOCUMENT The following documents may be found at: http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx Standard Terms and Conditions for Research Grants - June 2011 (Core) Standard Terms and Conditions for Research Grants - February 2011 (Agency Specific) UACC UACC Acceptance C November UAWA UAWA Award A					
30. OPTIONS		OPTION NO.	AMOUNT	PERIOD	
(1)					
(2)					
(3)					
(4)					
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE			COPIES
See block #21		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #23a		Report of Inventions and Subcontracts - DD 882 Final Technical Report Interim Research Performance Report (As Required) Final Federal Financial Status Report - SF425 - Including Line Item 11			1 1 1 1
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218		Final Technical Report with SF298 Interim Research Performance Report (As Required) with SF298			1 1
See block #26a		Report of Inventions and Subcontracts - DD 882			1
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320		Final Technical Report Interim Research Performance Report (As Required) with SF298			1 1
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN N/A - SIGNATURE NOT REQUIRED ON THIS AWARD			33a. SIGNATURE OF AWARDOFFICER (b) (6)		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED		33b. NAME AND TITLE OF AWARDOFFICER Ellen Simonoff	
				33c. DATE SIGNED 12-NOV-13	

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL)	2. SPIN (CRITICAL)	3. MOD (CRITICAL)	4. PR NUMBER	5. NAVY INTERNAL USE ONLY REF DOC/ACRN								
N00014-13-1-0550	P00001	14PR00717-00		PR#14PR00717-00 PRC:4512								
6. LINE OF ACCOUNTING	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE	7. AMOUNT (CRITICAL)
											PROJ UNIT MCC & SUF	
AB	1741319	W1AE	410	RA	349	0	068342	2D	000000	00000	000	5120
PAGE TOTAL												\$44,953.84
GRAND TOTAL												\$44,953.84

PREPARED/AUTHORIZED BY:

DATE:

COMPTROLLER APPROVAL:

FOR FISCAL DATA AND SIGNATURE

BY:

DATE:

for COMPTROLLER, ONR CONTRACT REVIEWED

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-13-1-0550		2. SPIN (CRITICAL) P00001	4. PR NUMBER 14PR00717-00	NAVY INTERNAL USE ONLY REF DOC/ACRN	
5. CLIN/SLN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION		8. AMOUNT (CRITICAL)	
		This page is intentionally blank			
				PAGE TOTAL \$. 00	
				GRAND TOTAL \$. 00	
PREPARED/AUTHORIZED BY:		COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE			
DATE:		BY _____ DATE: _____ for COMPTROLLER, ONR CONTRACT REVIEWED			

AWARD NO. N00014-13-1-0550	SPECIAL REQUIREMENTS	MODIFICATION NO. P00001